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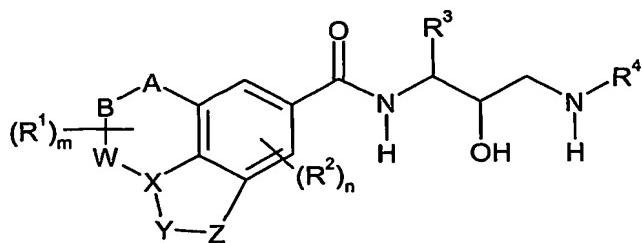
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WO 2005/058915 A1  
(54) Title: TRICYCLIC INDOLE HYDROXYETHYLAMINE DERIVATIVES AND THEIR USE IN THE TREATMENT OF ALZHEIMER'S DISEASE



(I)

(57) Abstract: The present invention relates to novel hydroxyethylamine compounds having Asp2 ( $\beta$ -secretase, BACE1 or Memapsin) inhibitory activity of formula (I), processes for their preparation, to compositions containing them and to their use in the treatment of diseases characterised by elevated  $\beta$ -amyloid levels or  $\beta$ -amyloid deposits, particularly Alzheimer's disease. Formula (I) wherein, inter alia, A-B represents  $-NR^5-SO_2-$  or  $-NR^5-CO-$ ; R<sup>5</sup> represents

hydrogen, C<sub>1-6</sub>alkyl, C<sub>3-6</sub>alkenyl, C<sub>3-6</sub>alkynyl, C<sub>3-10</sub>cycloalkyl, -C<sub>0-6</sub>alkylaryl, -C<sub>0-6</sub>alkyl-heteroaryl, -C<sub>0-6</sub>alkyl-heterocycl, -C<sub>3-10</sub>cycloalkyl-aryl or -C<sub>3-10</sub>cycloalkyl-heteroaryl; -W- represents -CH<sub>2</sub>-, -(CH<sub>2</sub>)<sub>2</sub>-, -(CH<sub>2</sub>)<sub>3</sub>-, -C(H)=C(H)- or -CH<sub>2</sub>-C(H)=C(H)-; X-Y-Z represents -C=CR<sup>8</sup>-NR<sup>9</sup>-;